

# The Lange Group

Software Systems Analysis & Telecommunications Consulting

December 23, 1999

Carl Watanabe, Deputy Registrar  
Bureau of Conveyances  
Department of Land and Natural Resources  
1151 Punchbowl Street, Room 122  
Honolulu, HI 96813

Re: ICS-FY-99-52 Task 12 Additional Hardware Requirements

Dear Mr. Watanabe,

In reference to the above captioned matter, and to follow up after our discussions of December 22, 1999 regarding the additional hardware required for Task 12 – Microfilm Conversion, please find attached the following:

1. Revised Attachment H Task 3 and Task 4 three (3) pages – reflecting additional hardware needed for Task 12
2. Two revised IBM Configuration – the first configuration shows the two (2) node (primary and redundant node), and the second configuration shows the rest of the items including the increased disk (DASD) and upgraded 3995-C68 fully loaded optical juke box. Both configurations show List Price and do not reflect the BOC discount. It is intended to itemize the hardware parts needed for your review only.

The first IBM Configuration, second page under “Hardware Mes/Upgrades” includes both the primary and secondary nodes and must be divided in half to get the Primary and optional Redundant node list prices for both the hardware and maintenance.

The second IBM Configuration, shows a fully loaded Optical Library, along with the added Disk Subsystem rack which includes thirty-two (32) 36.4GB drives to contain the 5 year backfile mirrored on-line disk, for an additional 1.1648 TB. The other 7133-D40 SSA Disk Subsystem is from our original configuration with sixteen (16) 9.1GB drives. This fills up three of the four drawers available in the system disk rack (16 drives per drawer). The Optical Library was upgraded from a model C66 to a C68, and fully loaded with five (5) 52 drive packs (5.2GB per drive), for a total of 1.352TB.

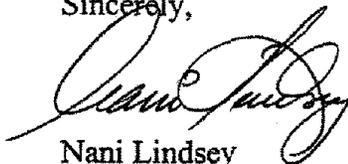
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We envision these items to be installed during Task 3 and Task 4. The estimated hardware cost if purchased directly from IBM, including the 4.166% general excise tax is shown in the Revised Attachment H. The net increase in hardware cost expended during Task 3 is ~~\$132,305.37~~ and 136,052.77 the net increase in hardware cost expended during Task 4 is \$33,986.18. This represents an total hardware cost of \$166,291.55 allocated to Task 12.

I hope the above provides the needed information to plan for Task 12. Please do not hesitate to call me should there be any other questions at 545-1822.

Sincerely,



Nani Lindsey  
Manager

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**Phase 1 Task 3: Hardware & Software Prices for Replacement of the Regular and Land Court Systems (RS/6000 9076 SP)**

Description	Unit Price	Qty	Extended
<b>Hardware</b>			
<i>RS/6000 9076 SP Enterprise Server Node</i>			
RS/6000 9076 SP Enterprise Server Node (2051)	\$56,450.26	1	\$56,450.26
7133-D40 SSA Disk Subsystem (Rack-Mounted - (1) drawer of 16 - 9.1GB drives)	37,212.26	1	37,212.26
7014-S00 rack & 7133-D40 SSA Disk Subsystem (Rack-Mounted - (2) drawers each with 16 - 36.4GB drives)	139,799.10	1	139,799.10
<b>Total RS/6000 9076 SP Enterprise Server Hardware</b>			<b>\$233,461.62</b>
<i>RS/6000 9076 SP Redundant Server Node Hardware</i> <b>**OPTIONAL**</b>			
RS/6000 9076 SP Enterprise Server Node (2051)	\$56,450.26	1	\$56,450.26
7133-D40 SSA Disk Subsystem (Rack-Mounted - (1) drawer of 16 - 9.1GB drives)	37,212.26	1	37,212.26
<b>Total RS/6000 9076 SP Optional Redundant Node Hardware</b>	<b>**OPTIONAL**</b>		<b>\$93,662.52</b>
<i>RS/6000 9076 SP BOC Enterprise Server Software</i>			
5765-C64 IBM C for AIX V4.4 - FC 0001 Basic One-time charge	499.37	1	499.37
5692-AIX System Software - FC 1004 CD-ROM Process Charge	52.08	1	52.08
<b>Total RS/6000 9076 SP Enterprise Server Software</b>			<b>\$551.45</b>
<i>RS/6000 9076 SP BOC Redundant Node Software</i> <b>**OPTIONAL**</b>			
5765-C34 AIX Version 4	\$ N/C	1	\$ N/C
5765-C34 FC 4061 AIX 4.3 for (1-2) users	N/C	1	N/C
5765-C34 FC 5005 Preinstall	N/C	1	N/C
5765-C34 FC 9001 Asset Registration	N/C	1	N/C
5692-AIX System Software - FC 1004 CD-ROM Process Charge	52.08	1	52.08
<b>Total RS/6000 9076 SP Optional Redundant Node Software</b>	<b>**OPTIONAL**</b>		<b>\$52.08</b>
<i>DB2 UDB Enterprise Edition includes 2 year Subscription &amp; Support</i>			
DB2 UDB Enterprise Edition V 6.1- D37BFML	6,249.96	4	24,999.84
DB2 UDB Media & Documentation - BB6X4NA, BB6VWML	93.75	1	93.75
DB2 UDB Developer Edition - D0096ML	932.29	2	1,864.58
<b>Total DB2 Software</b>			<b>\$26,958.17</b>
<i>DB2 UDB Enterprise Edition includes 2 year Subscription &amp; Support for Optional Redundant RS/6000 9076 SP Server - NODE USED IN STANDBY CAPACITY ONLY</i>			
<b>Total DB2 Software for Optional Redundant Server</b>	<b>**OPTIONAL**</b>		<b>NC</b>

93,662.52

Optional

Optional

Description	Unit Price	Qty	Extended
<b>Phase 1 Task 3 (Continued)</b>			
<i>APPX Software License</i>			
APPX Software license for 50 users, 2 developers w/DB2 interface, including 1 <sup>st</sup> year software subscription	\$59,775.00	1	\$59,775.00
<i>Barcode Label Printers</i>			
Zebra Desktop T402 Bar Code Thermal Transfer Ptr. & Cables	\$912.84	6	\$5,477.04
<b>Phase 1 Task 3 Price Summary</b>			
Required Hardware and Software			\$326,223.28
Optional Hardware and Software	**OPTIONAL**		93,714.60
<b>Total Phase 1 Task 3 Required and Optional Hardware &amp; Software</b>			\$419,937.87

**Phase 2 Task 4: Hardware & Software Prices for  
Implementing Imaging Capability on the BOC Network  
(Optical Jukebox, Scanners, & Microfilm Writer)**

Description	Unit Price	Qty	Extended
<b>Hardware</b>			
<i>Optical Library (Jukebox for BOC Enterprise Server)</i>			
IBM 3995 Optical Library Model C68 with 260 (5.2GB) optical platters for BOC Enterprise Server node (provides 1,352GB capacity)	\$82,613.33	1	\$82,613.33
<b>Total Optical Library (Jukebox for BOC Enterprise Server)</b>			\$82,613.33
<b>Hardware</b>			
<i>Image Scanners</i>			
Kodak Digital Science Scanner 3500D, Duplex - 840-4378	\$19,952.26	2	\$39,904.52
1700s Adrenaline IP Accelerator, 12MB SCSI Full PCI EH-1700-1000	2,702.18	2	5,404.36
Kofax 3500D Scan Cable SC-1024-0000	233.45	2	466.90
Vidar TruScan Select 38" wide Scanner (41" throat) 400dpi 1/2"- 1"/sec Adaptive Area Thresholding, install & training -11653	\$10,984.00	1	\$10,984.00
SCSI Card Adapter	260.41	1	260.41
<b>Total Image Scanner Hardware</b>			\$57,020.19
<i>Microfilm Writer</i>			
Kodak Digital Science Archive Writer 4800 including installation (1 year warranty) 870-9248	\$35,567.35	1	\$35,567.35
Digital Science Archive Writer Cassette 66 868-4383	753.75	1	753.75
Digital Science Archive Writer 4800 Training 883-4350	175.00	1	175.00
Digital Science Archive Writer Interface Software 123-9557	4,292.16	1	4,292.16
Kodak Digital Science Document Archive Writer 4800 Pre-installation site accreditation 877-1495	1,022.79	1	1,022.79
<b>Total Microfilm Hardware</b>			\$41,811.05
<b>Software</b>			
<i>Scan and Index Capture software</i>			
Kofax Ascent Capture - Scan 200k per month	\$7,909.09	2	\$15,818.18
Kofax Ascent Capture - Workstation (1 pak)	2,512.48	1	2,512.48
Kofax Ascent Capture - Workstation (3 pak)	7,223.39	1	7,223.39
<b>Total Scan and Index Capture Software</b>			\$25,554.05
<i>Long Term Storage and Retrieval Software includes 2 years subscription with support</i>			
IBM VisualInfo Program Kit for server - D00KBML	\$17,499.89	1	\$17,499.89
IBM VisualInfo Concurrent User - D05T2ML	1,728.11	35	60,483.85
IBM VisualInfo Media Kit - 39L3902	52.08	1	52.08
<b>Total Long Term Storage and Retrieval Software</b>			\$78,035.82
<b>Total Phase 2 Task 4 Imaging Hardware &amp; Software Price</b>			\$285,034.44